

FILEID**MTHJISIGN

N 3

(2) 48
(3) 57
(4) 83

JISIGN function

B 4

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Page 0

HISTORY : Detailed Current Edit History
DECLARATIONS
MTH\$JISIGN

MT
Sy

MA
MT
MT

PS
--
-M

Ph
--
In
Co
Pa
Sy
Pa
Sy
Ps
Cr
As

Th
15
Th
14
0

Ma
--
-S
0
Th
MA

0000 1 .TITLE MTH\$JISIGN JISIGN function
0000 2 .IDENT /1-002/ ; File: MTHJISIGN.MAR
0000 3
0000 4
0000 5 *****
0000 6 *
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0000 24 *
0000 25 *
0000 26 *****
0000 27
0000 28
0000 29 :FACILITY: MATH LIBRARY
0000 30 ++
0000 31 :ABSTRACT:
0000 32
0000 33
0000 34 --
0000 35
0000 36 :VERSION: 0
0000 37
0000 38 :HISTORY:
0000 39
0000 40 :AUTHOR:
0000 41 Jonathan M. Taylor, 14-JUL-77: Version 0
0000 42
0000 43 :MODIFIED BY:
0000 44
0000 45
0000 46 :

0000 48 .SBTTL HISTORY ; Detailed Current Edit History
0000 49
0000 50
0000 51 : Edit History for Version 0 of MTHJISIGN
0000 52 : 0-2 - Remove MTH\$FLAG_JACKET. TNH 5-July-78
0000 53 : 1-001 - Update version number and copyright notice. JBS 16-NOV-78
0000 54 : 1-002 - Add "_" to the PSECT directive. JBS 22-DEC-78

0000 51 .SBttl DECLARATIONS
0000 58
0000 59
0000 60 : INCLUDE FILES:
0000 61 :
0000 62 :
0000 63 :
0000 64 : EXTERNAL SYMBOLS:
0000 65 :
0000 66 :
0000 67 :
0000 68 : MACROS:
0000 69 :
0000 70 :
0000 71 :
0000 72 : PSECT DECLARATIONS:
0000 73 .PSECT _MTH\$CODE PIC, SHR, LONG, EXE, NOWRT
0000 74 :
0000 75 :
0000 76 : EQUATED SYMBOLS:
0000 77 :
0000 78 :
0000 79 :
0000 80 : OWN STORAGE:
0000 81 :

0000 83 .SBTTL MTH\$JISIGN
 0000 84
 0000 85 ++
 0000 86 : FUNCTIONAL DESCRIPTION:
 0000 87
 0000 88
 0000 89 : CALLING SEQUENCE:
 0000 90 : NONE
 0000 91
 0000 92
 0000 93 : INPUT PARAMETERS:
 0000 94 : NONE
 0000 95
 0000 96 : IMPLICIT INPUTS:
 0000 97 : NONE
 0000 98
 0000 99 : OUTPUT PARAMETERS:
 0000 100 : NONE
 0000 101
 0000 102 : IMPLICIT OUTPUTS:
 0000 103 : NONE
 0000 104
 0000 105 : COMPLETION CODES:
 0000 106 : NONE
 0000 107
 0000 108 : SIDE EFFECTS:
 0000 109 : NONE
 0000 110
 0000 111 :--
 0000 112
 0000 113
 50 04 BC 0000 0000 114 .ENTRY MTH\$JISIGN, ^M<>
 09 19 0002 0002 115 MOVL a4(AP), R0 ; R0 = arg1
 0006 0006 116 BLSS NEGARG ; branch if negative arg1
 0008 0008 117
 0008 0008 118 : arg1 is non-negative, look at sign of arg2
 0008 0008 119 :
 08 BC D5 0008 120 TSTL a8(AP)
 03 18 0008 121 BGEQ , EXIT ; both args are positive, nothing to do
 50 50 CE 0000 122 NEGATE: MNEGL R0, R0 ; negate arg1
 0010 0010 123
 04 0010 124 EXIT: RET
 0011 0011 125
 0011 0011 126 : arg1 is negative, check sign of arg2
 0011 0011 127 :
 0011 0011 128 :
 08 BC D5 0011 129 NEGARG: TSTL a8(AP)
 F7 18 0014 130 BGEQ NEGATE ; if arg2 positive then negate arg1
 04 0016 131
 0017 132
 0017 133
 0017 134
 0017 135 .END

MTHSJISIGN Symbol table

JISIGN function

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6-SEP-1984 11:26:28 [MTHRTL.SRC]MTHJISIGN.MAR;1 (4)

EXIT	00000010	R	01
MTHSJISIGN	00000000	RG	01
NEGARG	00000011	R	01
NEGATE	0000000D	R	01

! Psect synopsis !

Project Name

Allocation PSET No. Attributes

 . ABS 00000000 (0.) 00 (0.) NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
 MTH\$CODE 00000017 (23.) 01 (1.) PIC USR CON REL LCL SHR EXE RD NOWRT NOVEC LONG

Phase

Page faults CPU Time Elapsed Time

Initialization	41	00:00:00.05	00:00:01.40
Command processing	115	00:00:00.48	00:00:03.83
Pass 1	67	00:00:00.36	00:00:01.76
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	37	00:00:00.32	00:00:01.23
Symbol table output	2	00:00:00.01	00:00:00.01
Psect synopsis output	2	00:00:00.02	00:00:00.08
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	266	00:00:01.24	00:00:08.32

The working set limit was 900 pages.

1328 bytes (3 pages) of virtual memory were used to buffer the intermediate code.

There were 10 pages of symbol table space allocated to hold 4 non-local and 0 local symbols.

135 source lines were read in Pass 1, producing 10 object records in Pass 2.

0 pages of virtual memory were used to define 0 macros.

Macro library name

0 GETS were required to define 0 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL,TRACEBACK)/LIS=LIS\$:MTHJISIGN/OBJ=OBJ\$:MTHJISIGN MSRC\$:MTHJISIGN/UPDATE=(ENHS:MTHJISIGN)

0263 AH-BT13A-SE
VAX/VMS V4.0

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